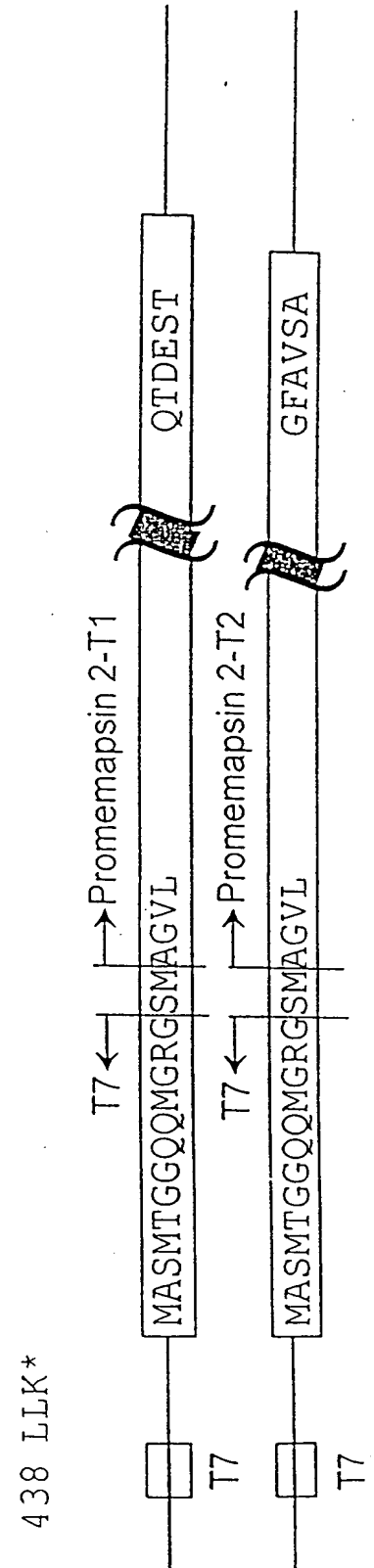


FIG. 1

1v MASMTGGQQM GRGSMAGVLP AHGTQHGIRL PLRSLGGAP LGLRLPRETD  
36p EEPEEPGRRG SFVEMVDNLR GKSGQGYVE MTVGSPPTL NILVDTGSSN  
38 FAVGAAPHPF LHRYYQRQLS STYRDLRKG VVPYTQGWKWE GELGTDLVSI  
88 PHGPNVTVRA NIAAITESDK FFINGSNWEG ILGLAYAEIA RPDDDSLEPFF  
138 DSLVKQTHVP NLFSLQLCGA GFPLNQSEVL ASVGGSMIIG GIDHSLYTGS  
188 LWYTPIRREW YVEVIVRVE INGQDLKMD CKEYNYDKSIV DSGTTLRLP  
238 KKVFEAAVKS IKAASSTEKF PDGFWLGEQL VCWQAGTTPW NIFPVISLYL  
288 MGEVTNQSR ITILPQQYLR PVEDVATSQD DCYKFAISQS STGTVMGAVI  
338 MEGFYVVFDR ARKRIGFAVS ACHVHDEFRT AAVEGPFVTL DMEDCGYNIP  
388 QTDESTLMTI AYVMAAICAL FMLPLCLMVC QWRCLRLRQ QHDDFADDIS  
438 LLK\*



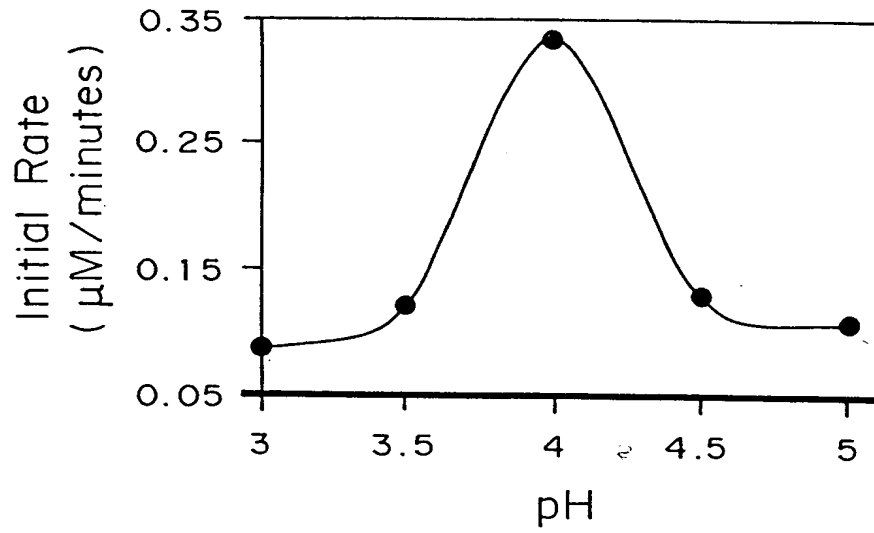


FIG. 2A

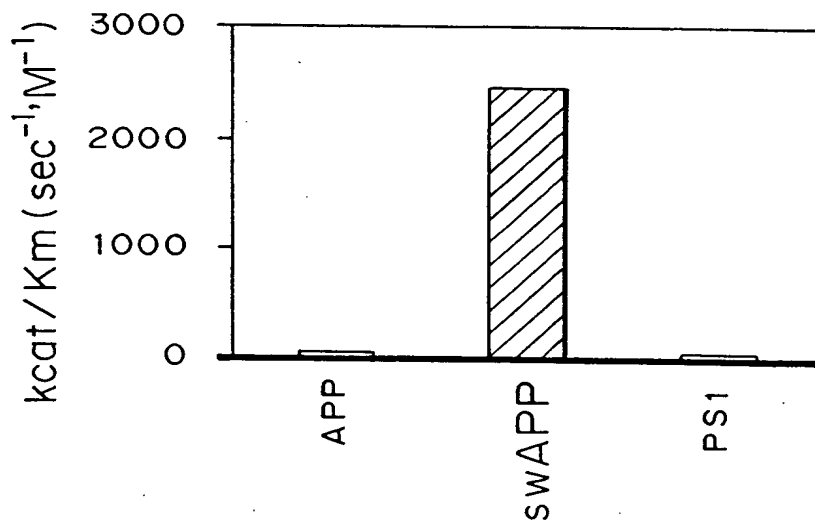
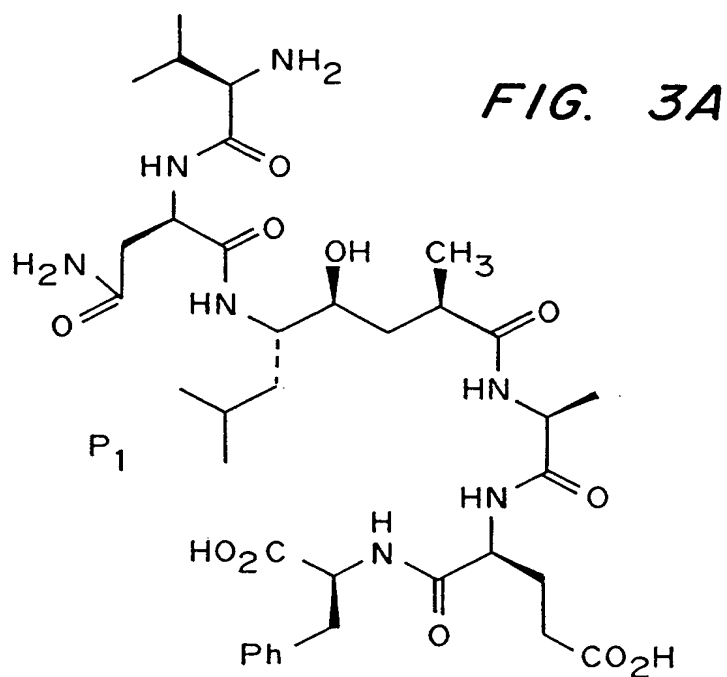
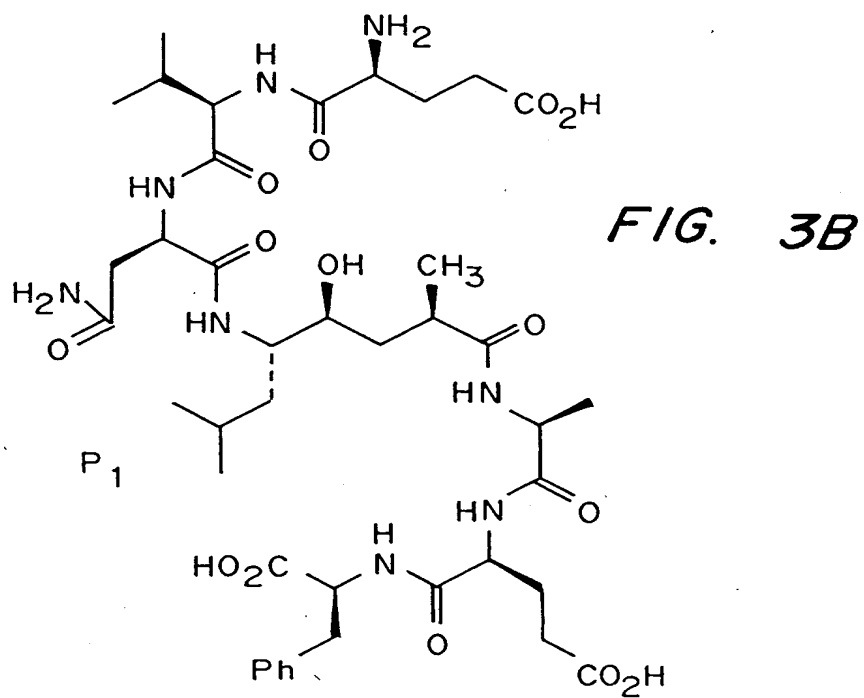


FIG. 2B

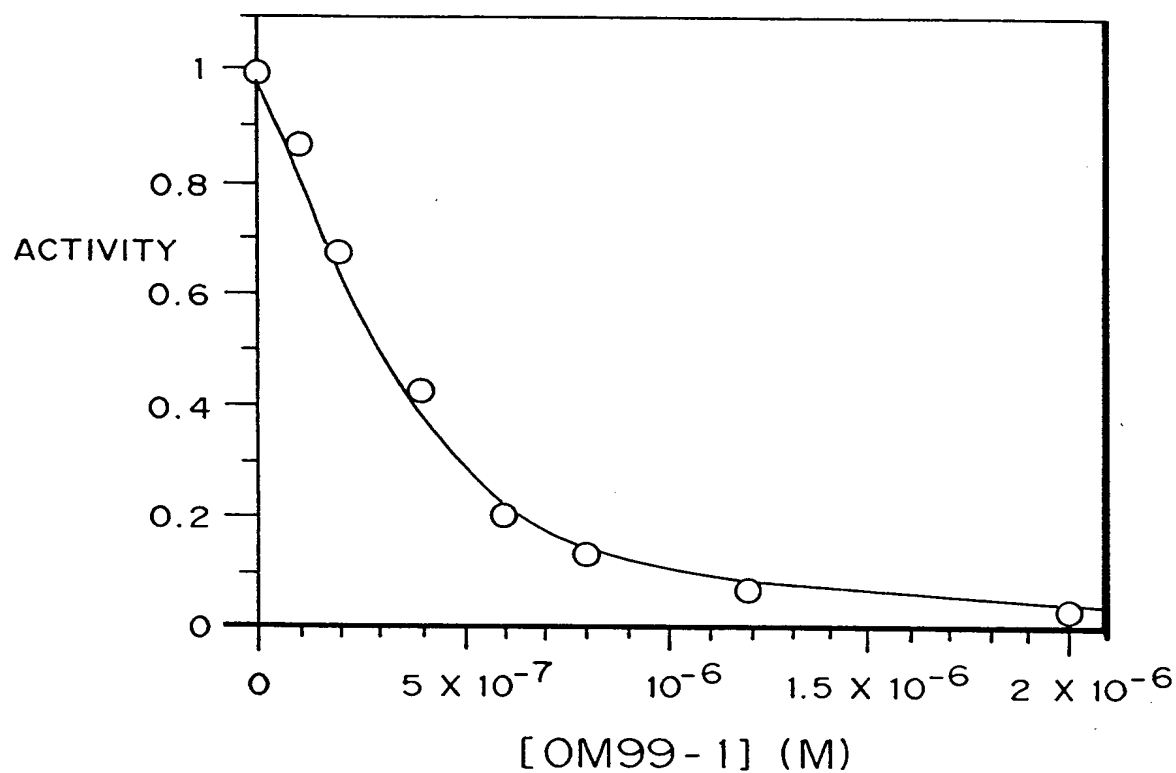


OM99-1



OM99-2

**FIG. 4A**



[Mep2] = 0.47  $\mu$ M

[Fluo. Substrate] = 29.9  $\mu$ M

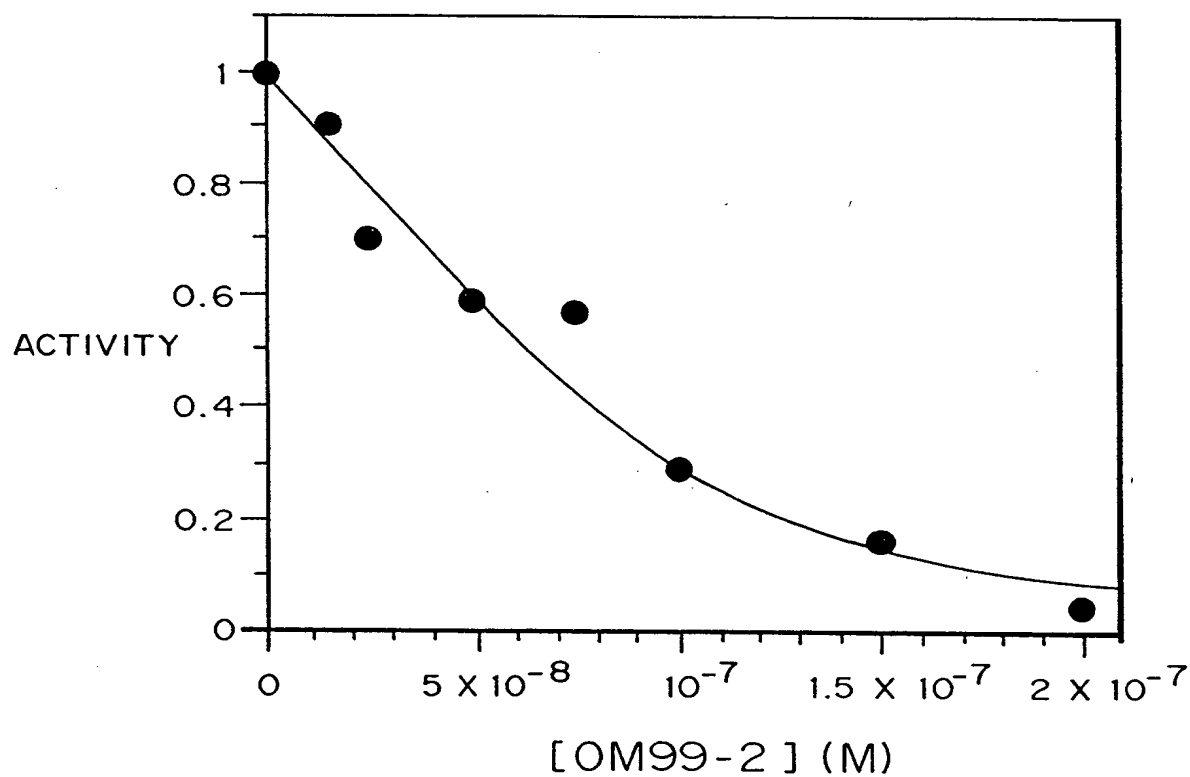
Buffer: Na Acetate 0.1 M, 5% DMSO, pH 4.5 at 37°C

Excitation at 350 nm

Emission at 490 nm

Parameter	Value	Std. Error
Ki	6.84e - 8	2.72 e - 9

**FIG. 4B**



$[E]_0 = 0.11 \mu\text{M}$

$[\text{Fluo Substrate}] = 29.9 \mu\text{M}$

Parameter	Value	Std. Error
Ki	9.58e-9	2.86e-10

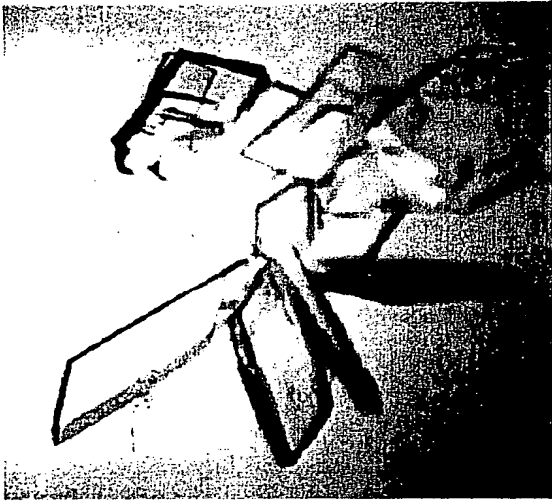


FIG. 5C

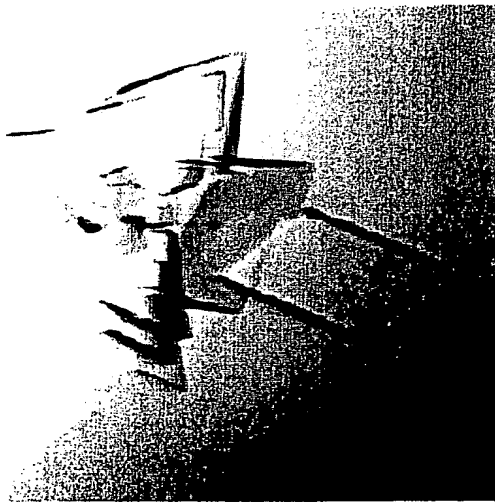


FIG. 5B



FIG. 5A

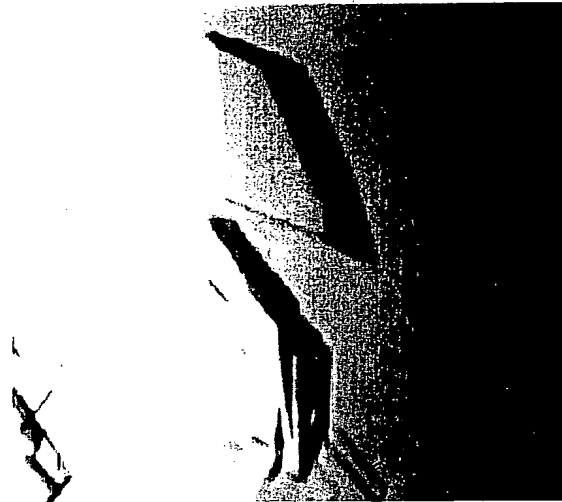


FIG. 5D



FIG. 5E

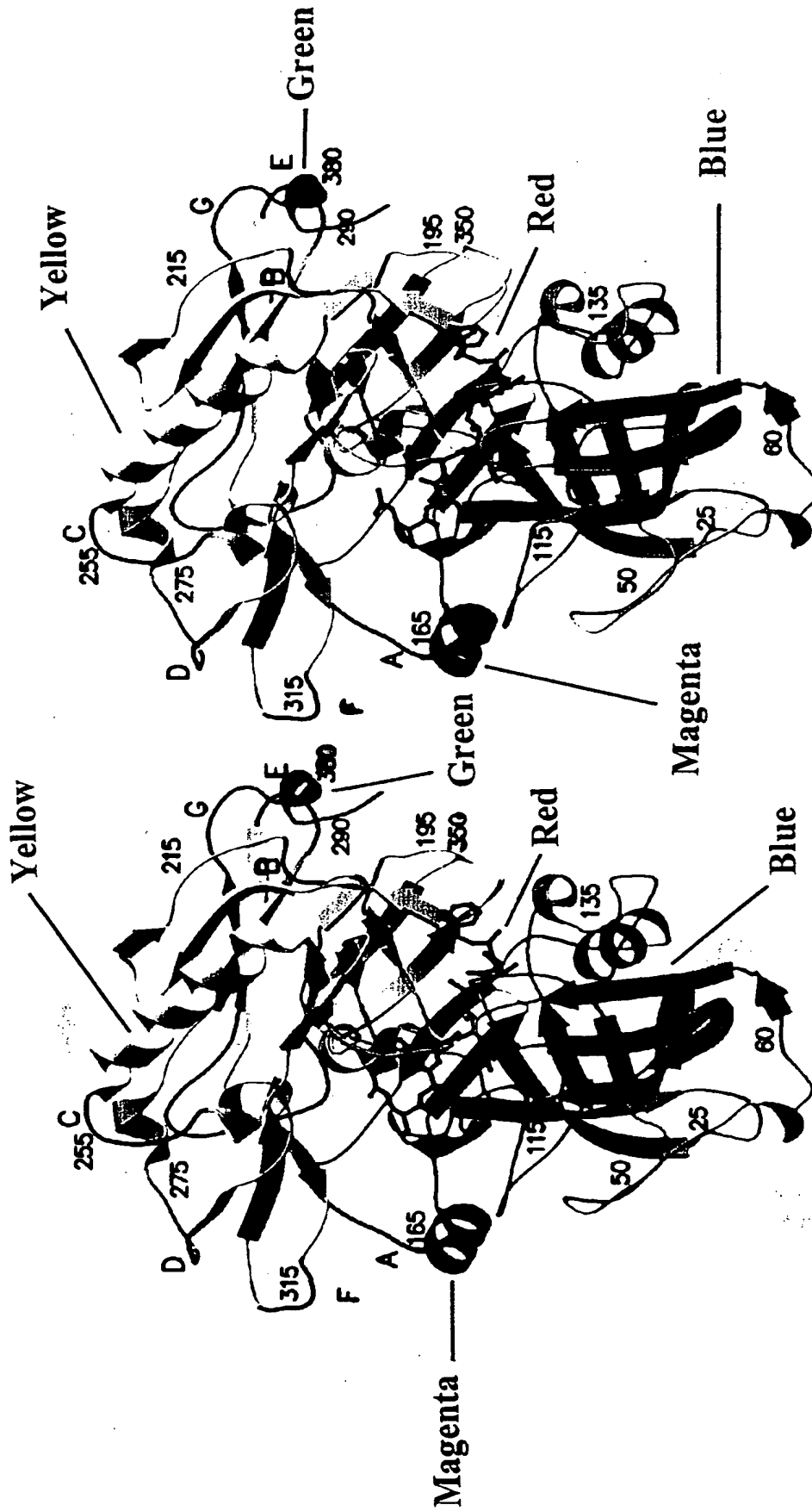
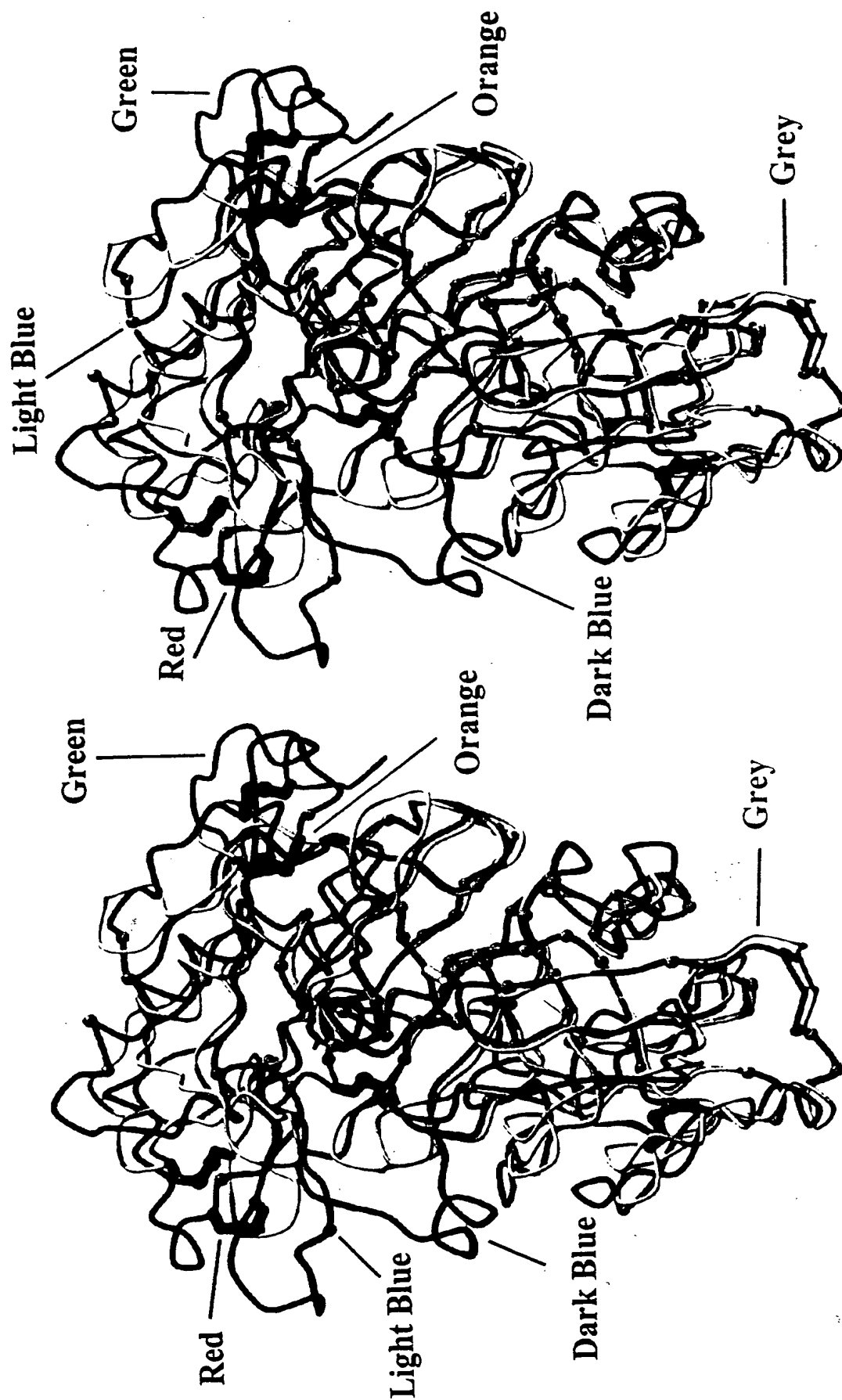


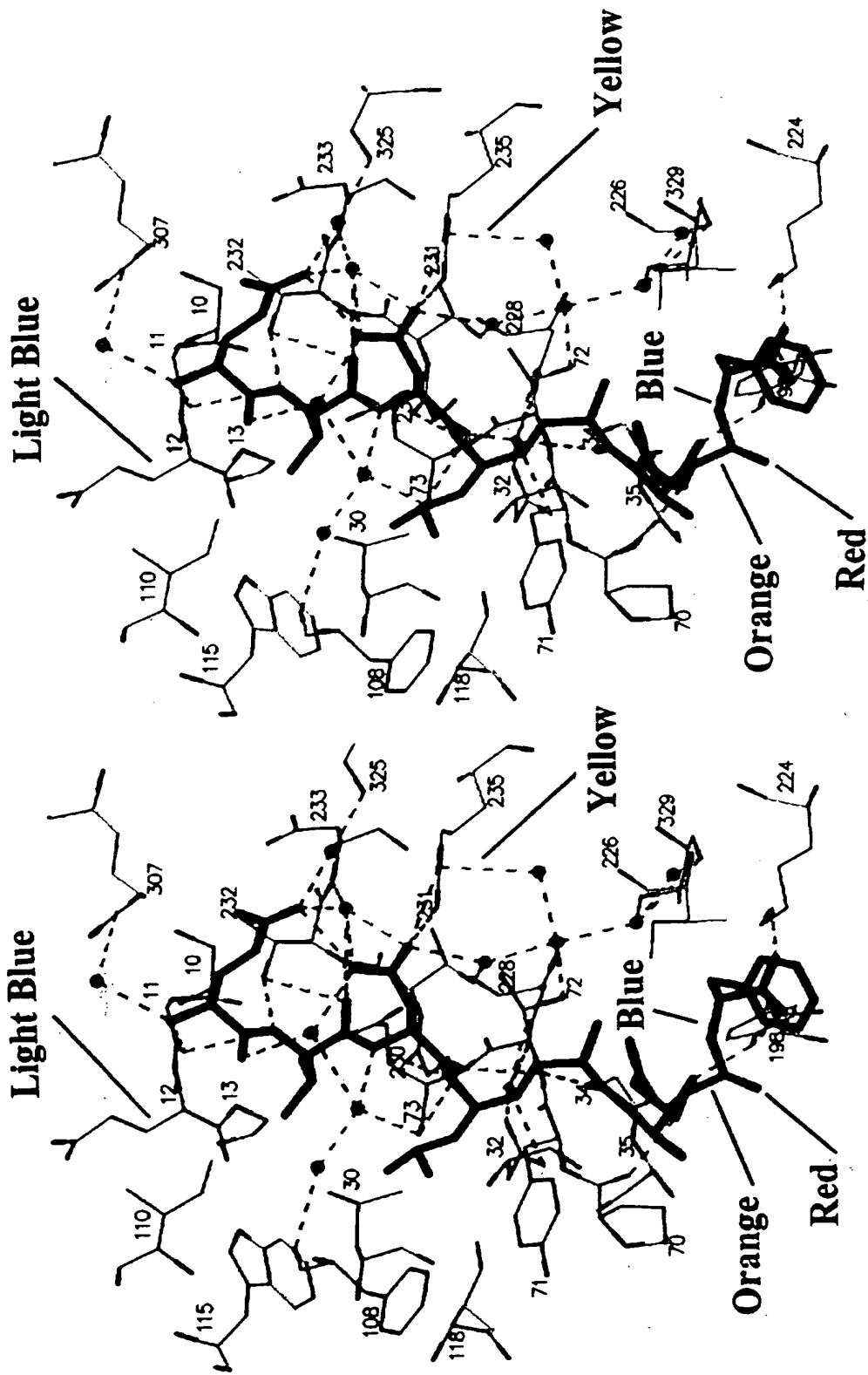
FIG. 6



**FIG. 7**



**FIG. 8**



**FIG. 9**

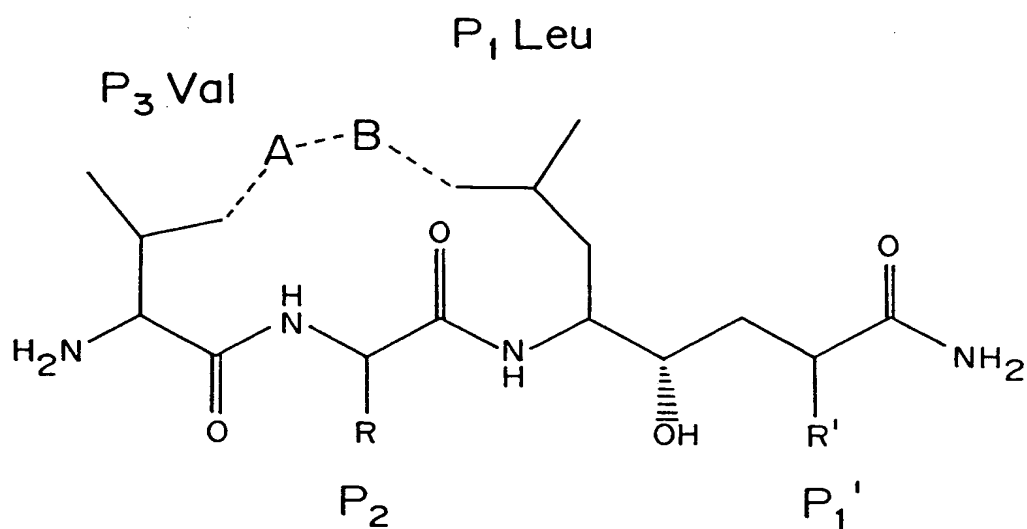


FIG. 10

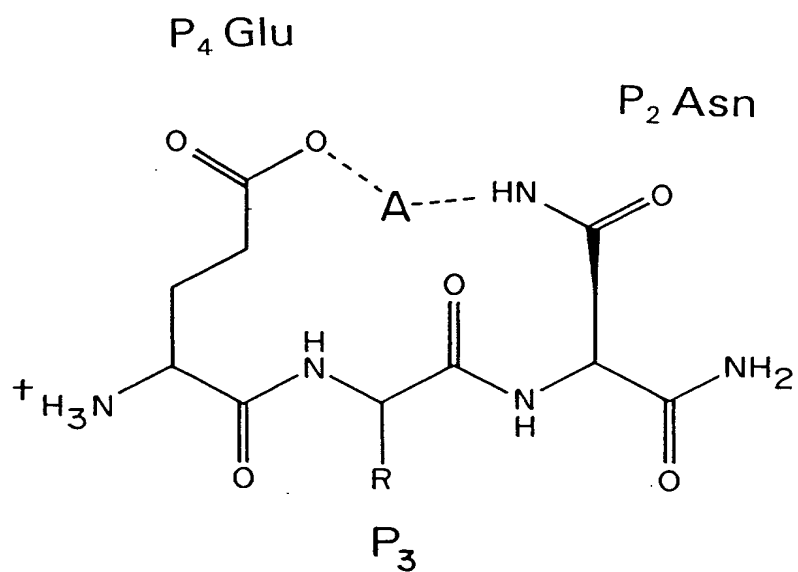


FIG. 11

